

Message Text

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73

ORIGIN ERDA-07

INFO OCT-01 EUR-12 ISO-00 FEA-01 AID-05 CEA-01 CIAE-00

CIEP-02 COME-00 DODE-00 EB-07 FPC-01 H-02 INR-07

INT-05 L-02 NSAE-00 NSC-05 OMB-01 PM-03 SAM-01 OES-05

SP-02 SS-15 STR-04 TRSE-00 FRB-01 /090 R

66619

DRAFTED BY USERDA:E. DOERING, SOLAR ENERGY

APPROVED BY OES/SCI/AE - M.PROCHNIK

USERDA:IP:DIR:ADREIDMAN

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R 282217Z MAR 75

FM SECSTATE WASHDC

TO AMEMBASSY BONN

UNCLAS STATE 071090

E.O. 11652: N/A

TAGS: ENRG

SUBJECT:SOLAR ENERGY - U.S. PROGRAM

REF: BONN 03818

1. RE TELECON BETWEEN EMBASSY BONN (MCLELLAND) AND ERDA (MCDONOUGH), MARCH 7, ABOUT U.S. SOLAR ENERGY PROGRAM THE INFORMATION NOTED BELOW MAY NOW BE PASSED ON TO INTERESTED PARTIES CONCERNING PLANS FOR CONSTRUCTION OF 300 MW SOLAR ENERGY PLANT IN 1985.

2. U.S. SOLAR ENERGY PROGRAM INCLUDES PLANNING FOR A 100-300 MW ELECTRIC, SOLAR THERMAL POWER SYSTEM WHICH MIGHT, REPEAT MIGHT, BE OPERATIONAL IN THE MID-1980'S. TO OBTAIN NECESSARY INFORMATION REQUIRED TO BASE DECISIONS ON SUCH A PLANT, STUDIES WILL COMMENCE WITH PHASE 1, THE PRELIMINARY DESIGN OF A 10 MW ELECTRIC EXPERIMENTAL PILOT PLANT, EMPLOYING THE CENTRAL RECEIVER CONCEPT.

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IMENTAL PILOT PLANT, EMPLOYING THE CENTRAL RECEIVER CONCEPT.

PHASE 1 IS PROGRAMMED FOR TWO YEARS AND INCLUDES CRITICAL RESEARCH EXPERIMENTS ON COLLECTOR, RECEIVER AND THERMAL STORAGE SUBSYSTEMS. PHASE 1 REQUEST FOR PROPOSAL WAS RELEASED FROM ERDA SAN FRANCISCO OPERATIONS OFFICE ON MARCH 17, 1975, AS WAS ANTICIPATED IN THE MARCH 4, 1975 ISSUE OF THE COMMERCE BUSINESS DAILY.

3. IT IS ENVISIONED THAT PHASE 2 WILL ENCOMPASS THE FINAL DESIGN, DEVELOPMENT, FABRICATION, ASSEMBLY OPERATION TEST AND EVALUATION OF THE 10 MWE EXPERIMENTAL PILOT PLANT, MOST LIKELY LOCATED IN THE SOUTHWESTERN U.S.

4. SUBSEQUENT PHASES WILL BE DEFINED AS REQUIRED BASED ON PROGRESS ACHIEVED.

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Message Attributes

Automatic Decaptoning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: SOLAR POWER, PROGRAMS (PROJECTS), ELECTRIC POWER PLANTS
Control Number: n/a
Copy: SINGLE
Draft Date: 28 MAR 1975
Decapton Date: 01 JAN 1960
Decapton Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975STATE071090
Document Source: CORE
Document Unique ID: 00
Drafter: E. DOERING, SOLAR ENERGY
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D750110-0115
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t1975035/aaaaaego.tel
Line Count: 77
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN ERDA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 75 BONN 03818
Review Action: RELEASED, APPROVED
Review Authority: hartledg
Review Comment: n/a
Review Content Flags:
Review Date: 20 JUN 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <20 JUN 2003 by SilvaL0>; APPROVED <02 MAR 2004 by hartledg>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
05 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: OLAR ENERGY - U.S. PROGRAM
TAGS: ENRG, US
To: BONN
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 05 JUL 2006